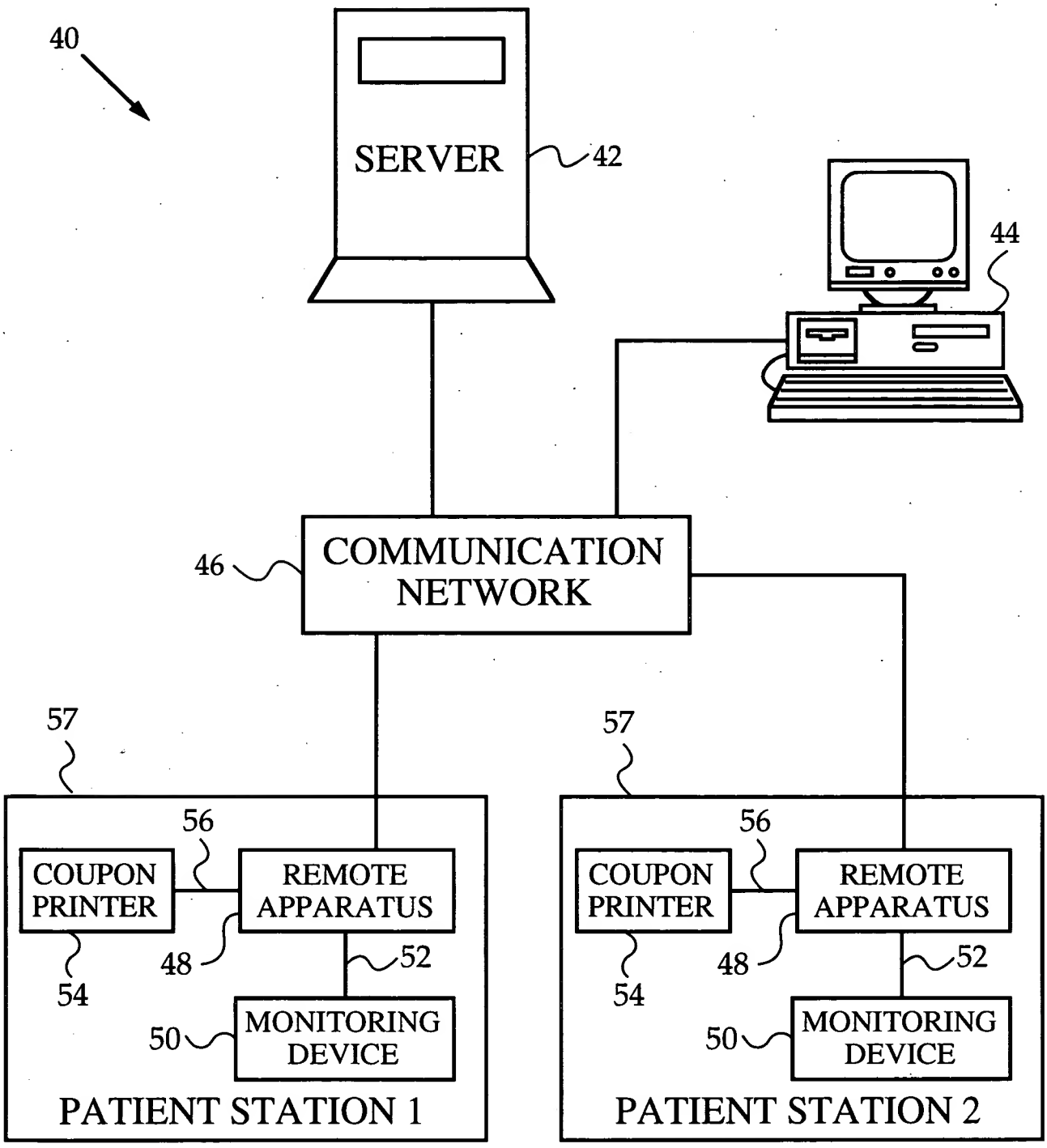
40
SERVER
42
44
COMMUNICATION NETWORK
46
57
57
56
56
COUPON PRINTER
REMOTE APPARATUS
COUPON PRINTER
REMOTE APPARATUS
48
52
54
48
52
54
MONITORING DEVICE
50
MONITORING DEVICE
50
PATIENT STATION 1
PATIENT STATION 2

FIG. 1

26T2TT" Eh25,680

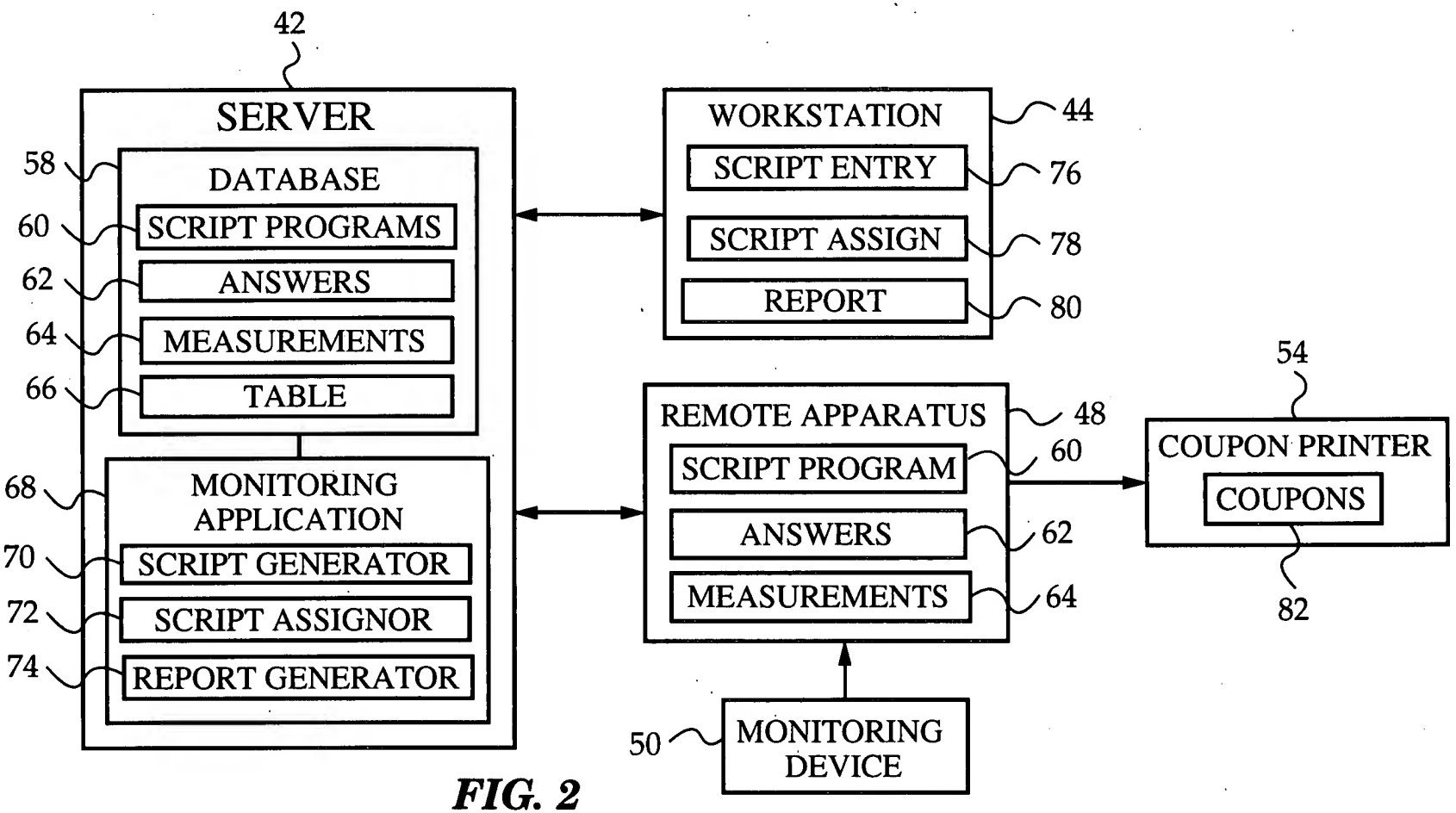

FIG. 2

705 14

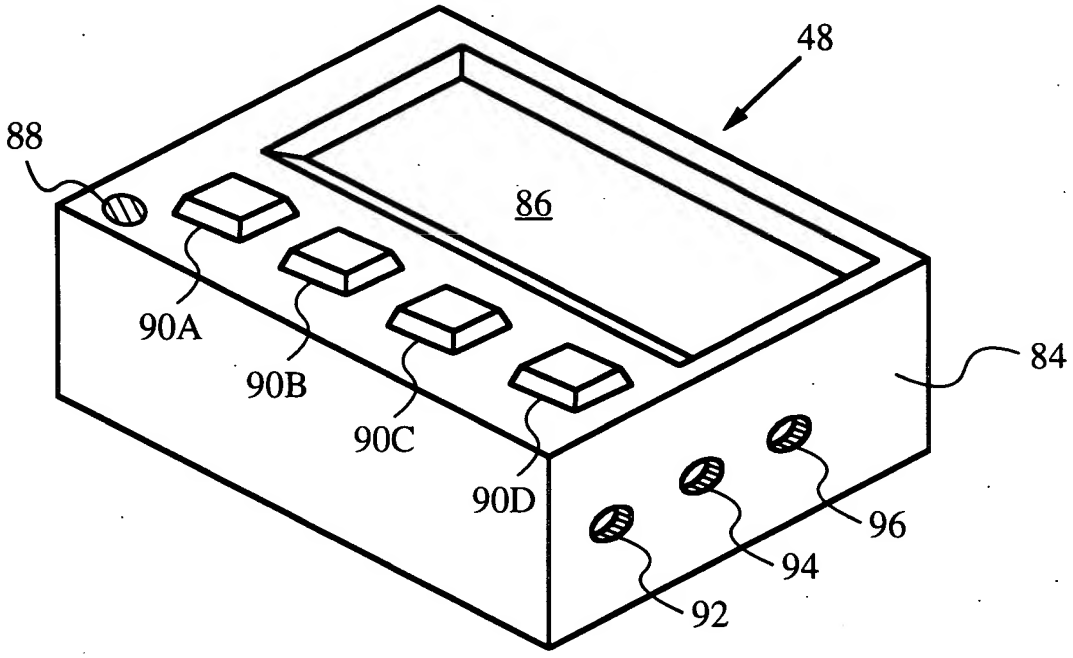

FIG. 3

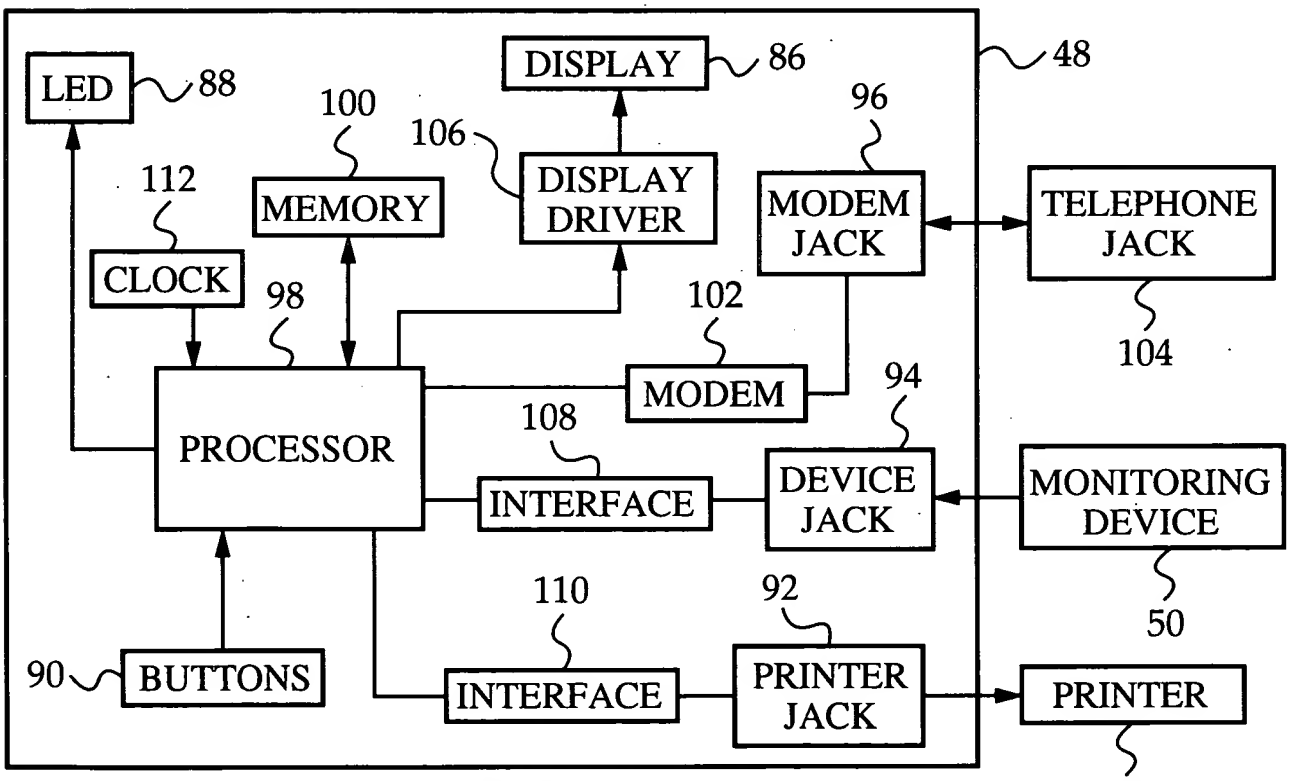

FIG. 4

26T2TT" Eh25680

705 14 1

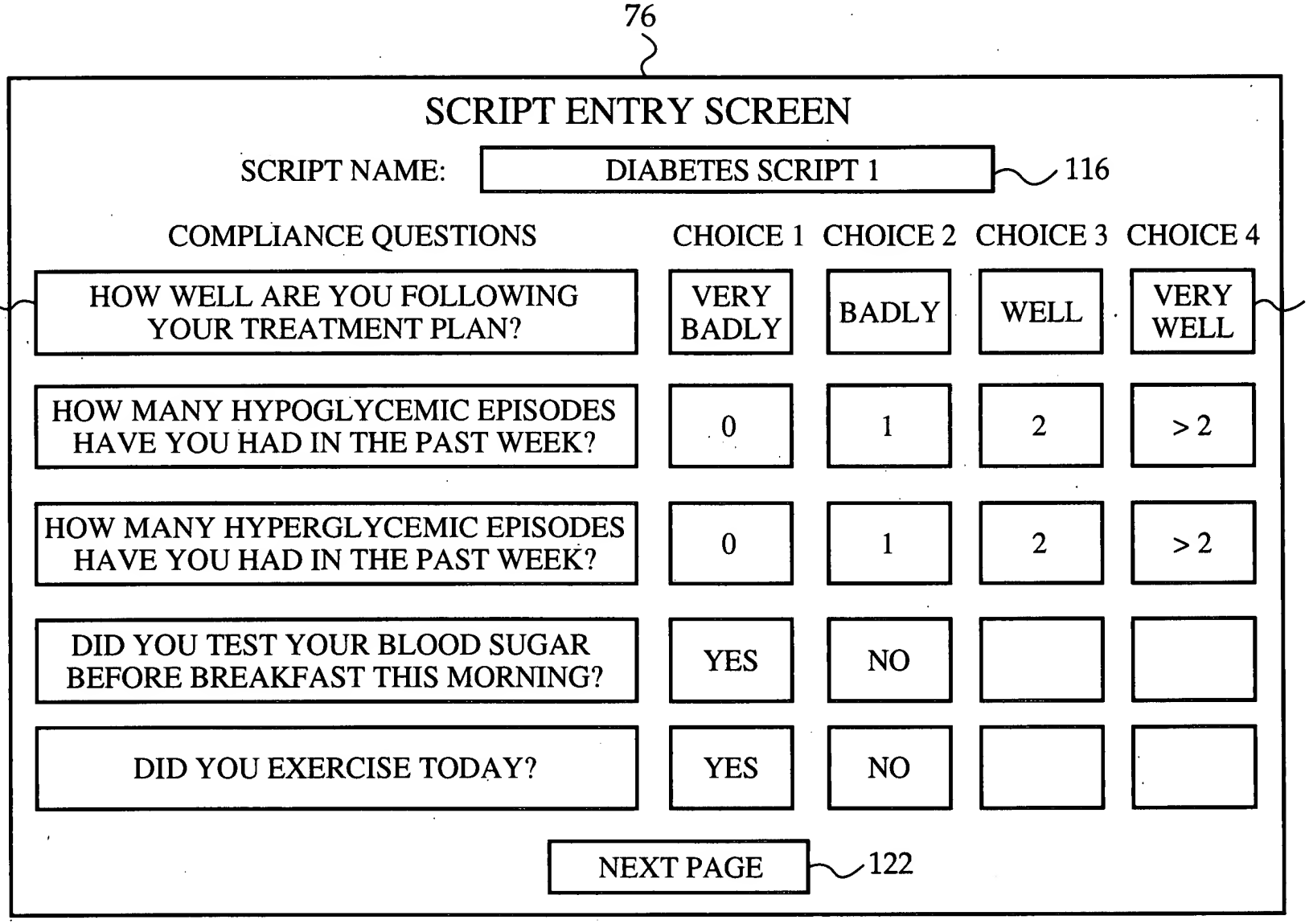

FIG. 5A

26T2TT*EH25Z680

705 14

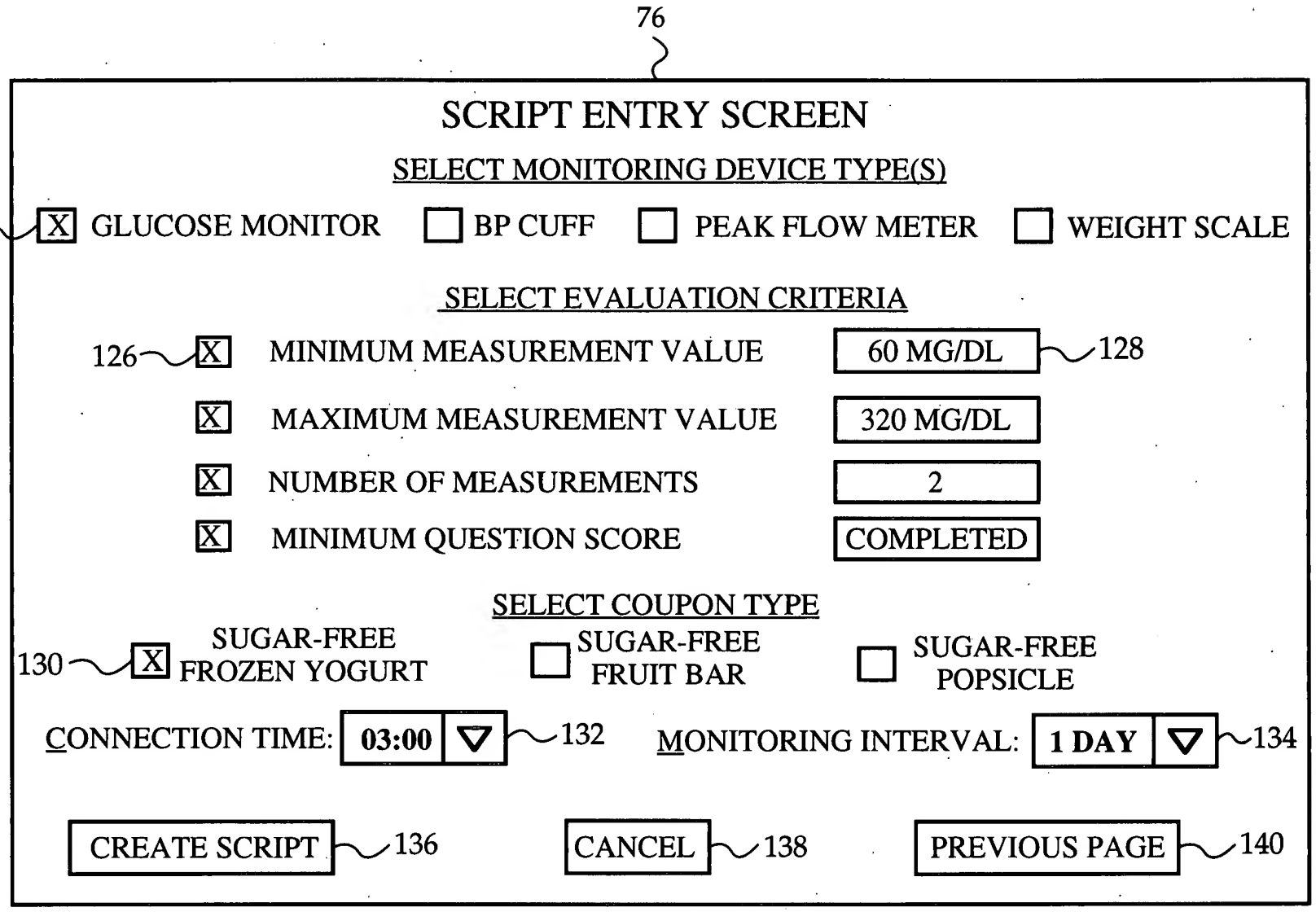

FIG. 5B

705 14

NUMBER: 9001 {LF}

LED: 1 {LF}

ZAP: {LF}

CLS: {LF}

DISPLAY: ANSWER QUERIES NOW?
PRESS ANY BUTTON TO START {LF}

WAIT: {LF}

CLS: {LF}

DISPLAY: HOW WELL ARE YOU FOLLOWING
YOUR TREATMENT PLAN?
VERY VERY
WELL BADLY WELL WELL {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: HOW MANY HYPOGLYCEMIC EPISODES
HAVE YOU HAD IN THE PAST WEEK?

0 1 2 > 2 {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: HOW MANY HYPERGLYCEMIC EPISODES
HAVE YOU HAD IN THE PAST WEEK?

0 1 2 > 2 {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: DID YOU TEST YOUR BLOOD SUGAR
BEFORE BREAKFAST THIS MORNING?

YES NO {LF}

INPUT: OOXX {LF}

CLS: {LF}

DISPLAY: DID YOU EXERCISE TODAY?

YES NO {LF}

FIG. 6A

SUBSTITUTE SHEET (RULE 26)

705. 14


```
INPUT: OOXX {LF}
CLS: {LF}
DISPLAY: CONNECT GLUCOSE METER
         AND PRESS ANY BUTTON
         WHEN FINISHED {LF}
WAIT: {LF}
CLS: {LF}
DISPLAY: COLLECTING MEASUREMENTS {LF}
COLLECT: GLUCOSE_METER {LF}
CLS: {LF}
COUNT: {LF}
MAX: {LF}
MIN: {LF}
IF MAX_VALUE < 320 AND MIN_VALUE > 60 AND NUMBER > 2
THEN PRINT: YOGURT {LF}
     DISPLAY: CONGRATULATIONS,
              YOU ARE IN COMPLIANCE!
              KEEP UP THE GOOD WORK! {LF}
ELSE DISPLAY: YOU ARE NOT IN COMPLIANCE.
              YOU MUST MEASURE YOUR BLOOD
              SUGAR 2 TIMES PER DAY AND KEEP IT
              BETWEEN 60 AND 320 MG/DL {LF}
CLS: {LF}
DISPLAY: CONNECT APPARATUS TO
         TELEPHONE JACK AND
         PRESS ANY BUTTON
         WHEN FINISHED {LF}
WAIT: {LF}
LED: 0 {LF}
CLS: {LF}
DELAY: 03:00 {LF}
CONNECT: {LF}
{EOF}
```

FIG. 6B

DOCKET NO. 4750-3

U.S. FIR. 1
705 14

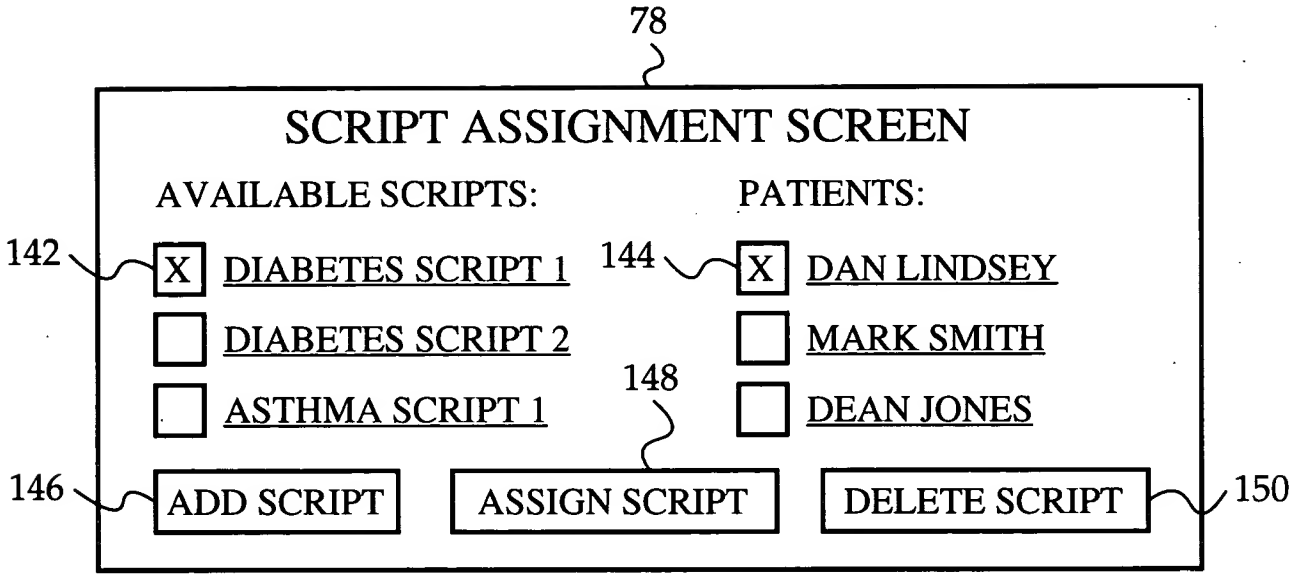

FIG. 7

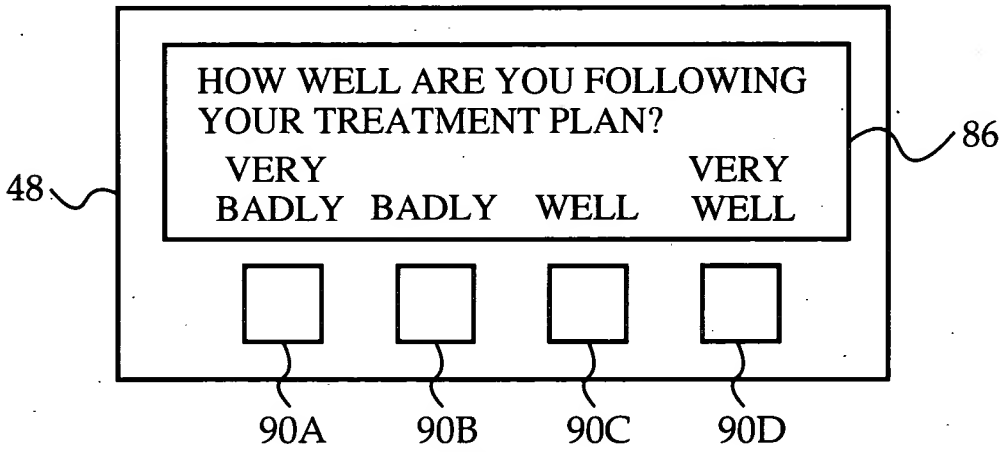

FIG. 8

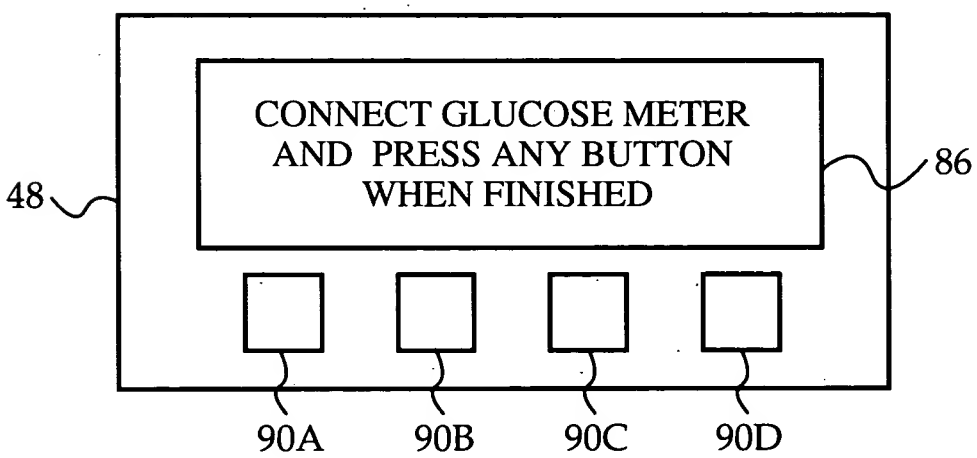

FIG. 9

Fig. 1
705 14

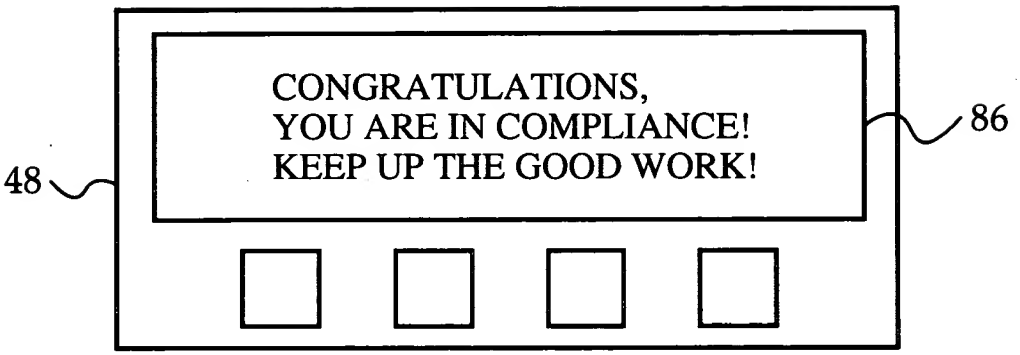

FIG. 10

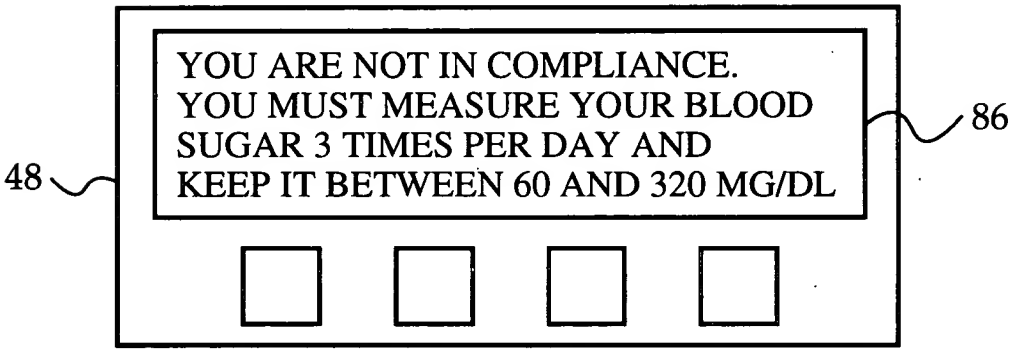

FIG. 11

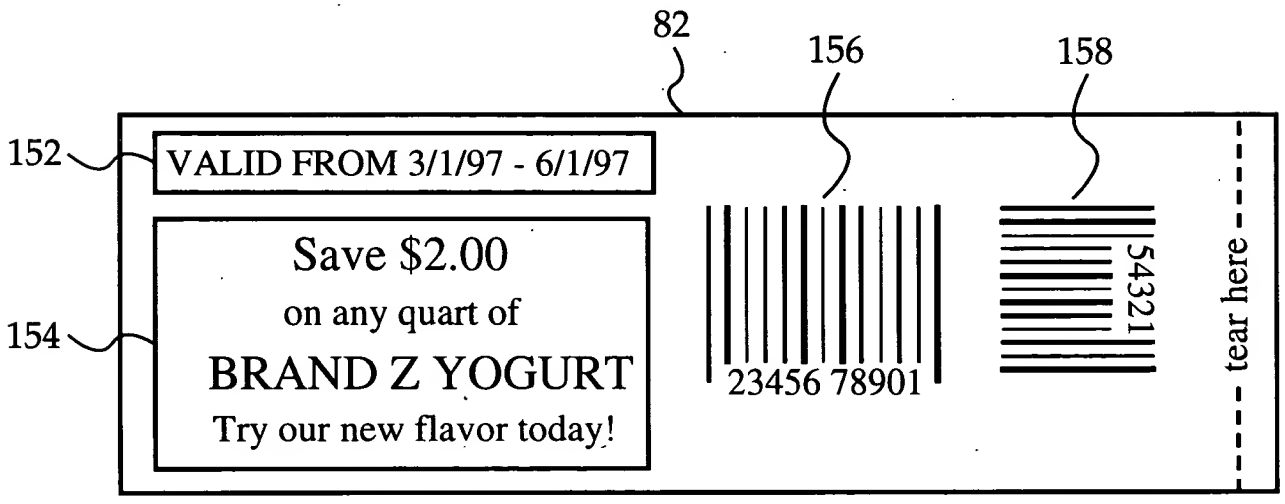

FIG. 12

26T2TT" Eh25Z680

705 41

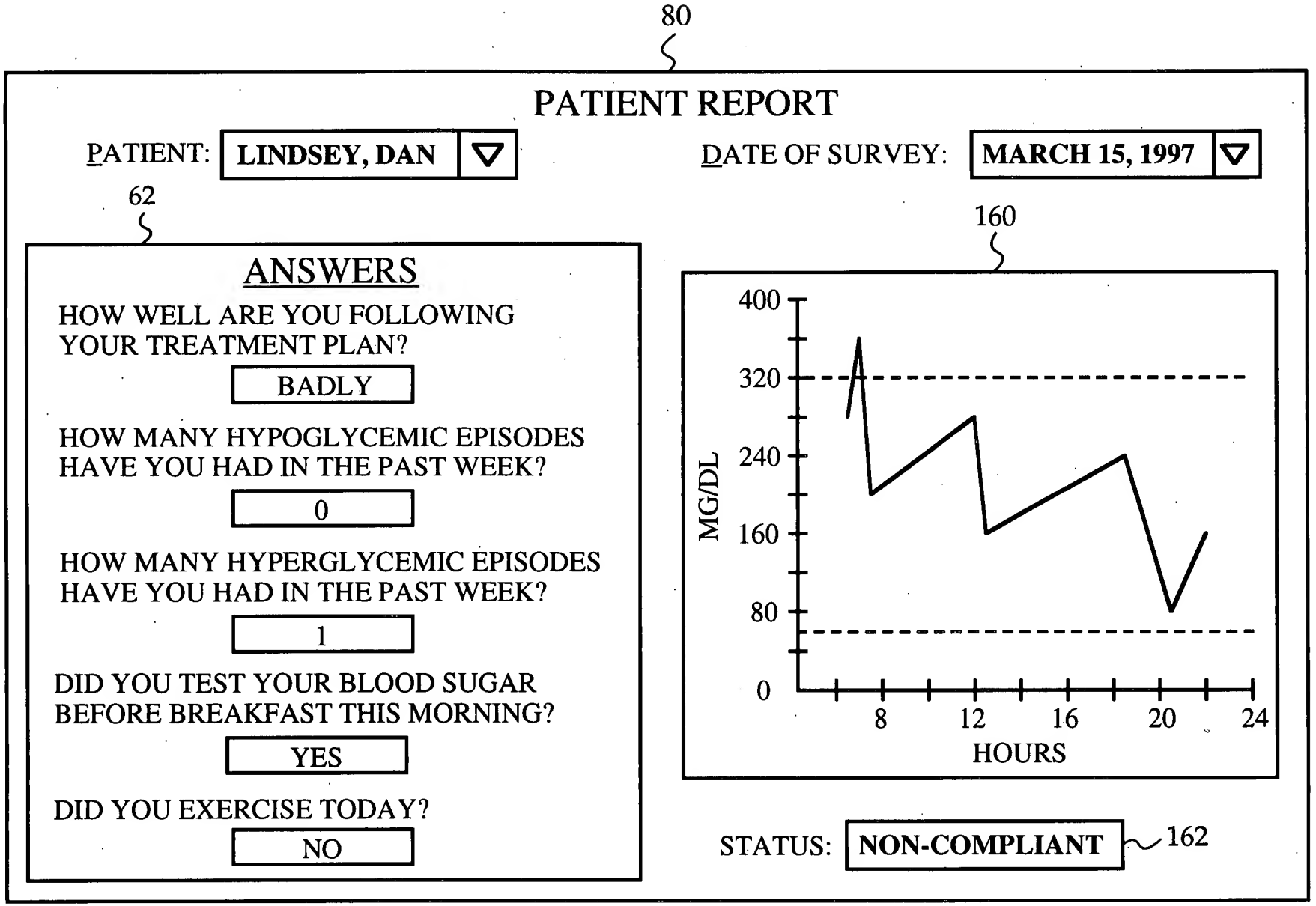

FIG. 13

705 14

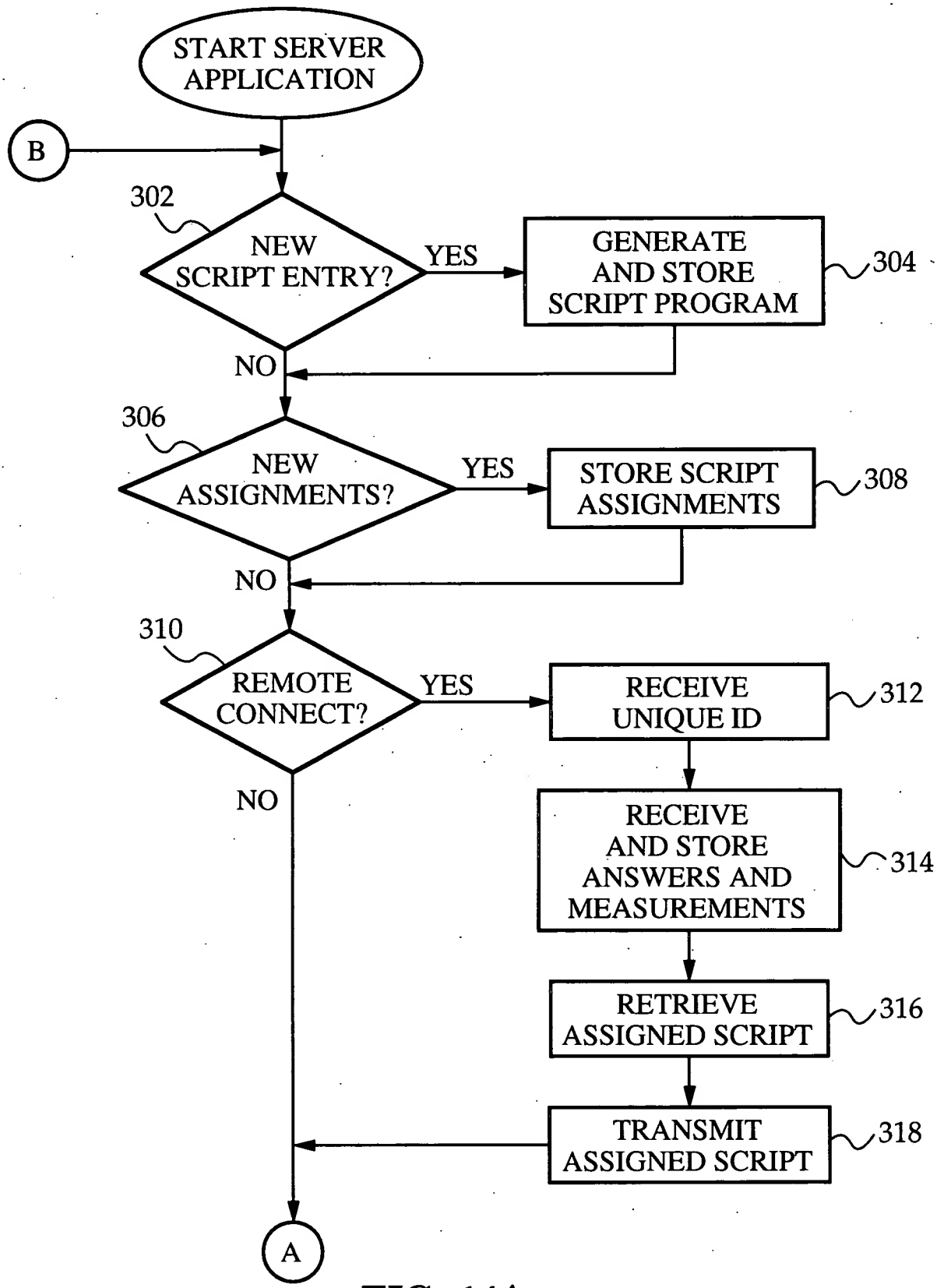

FIG. 14A

U.S. FIG. 1
705 14

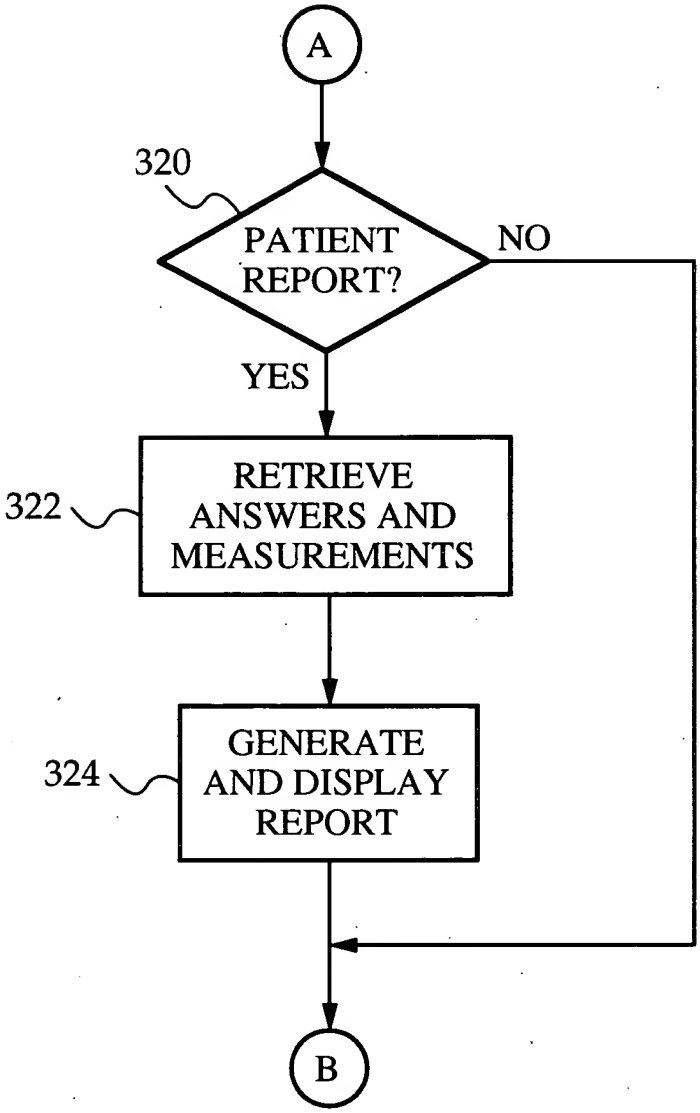

FIG. 14B

705 14

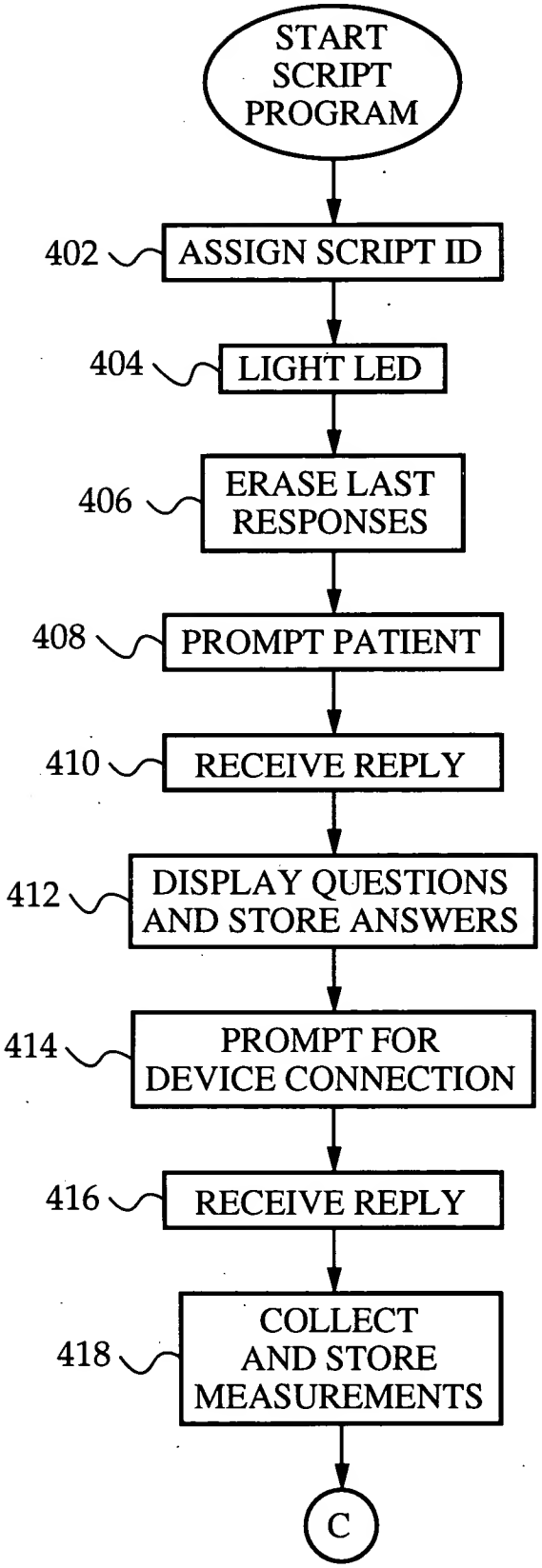

FIG. 15A

U.S. FIG. 1
705 14

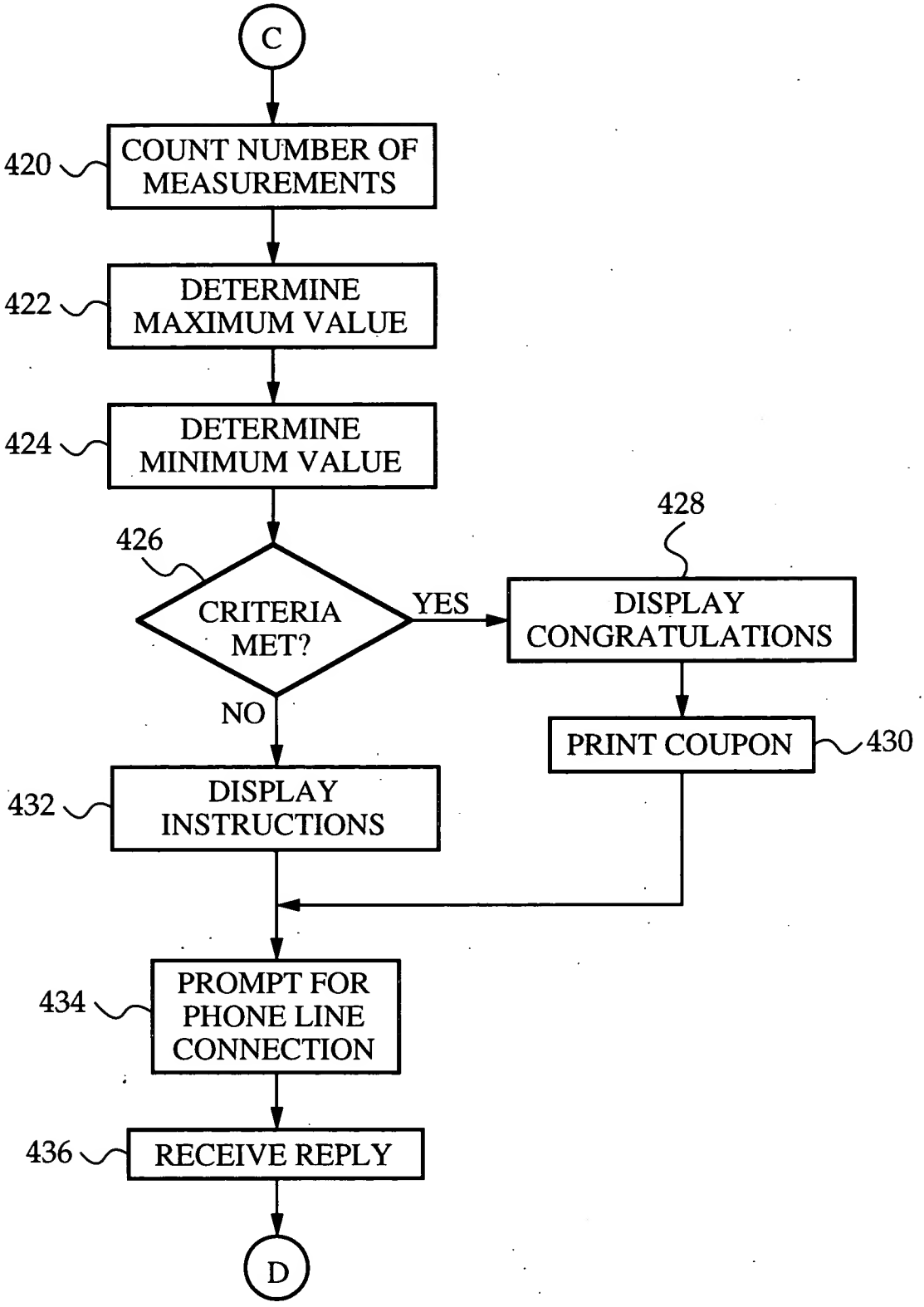

FIG. 15B

09/545,208 - 05/09/2000

FIG. 1
705 14

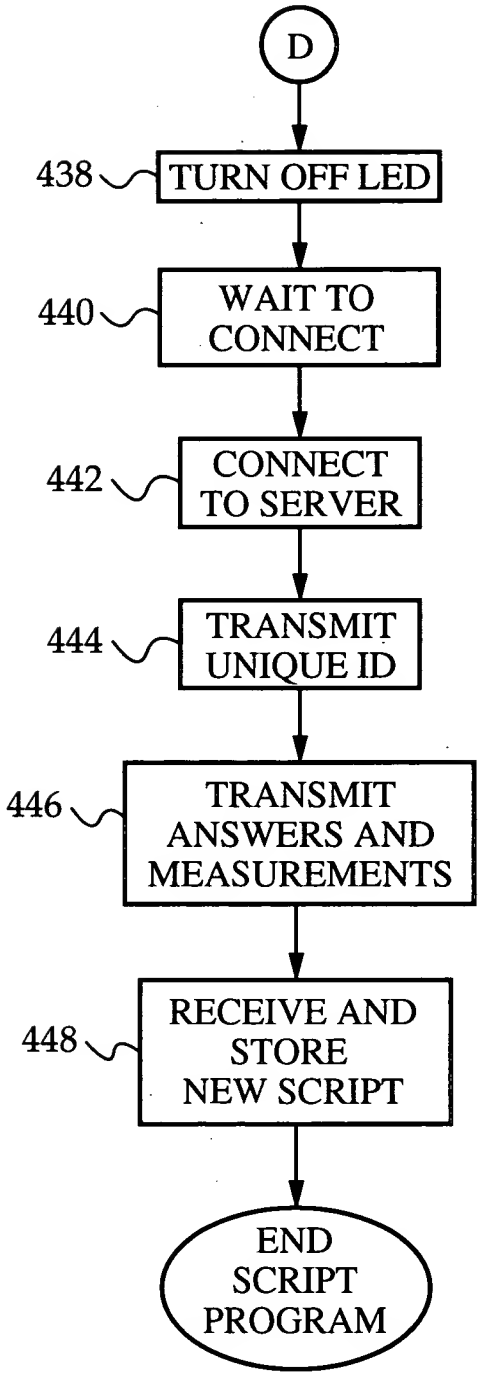

FIG. 15C

Docket No. 3560.1.1.1

705 14

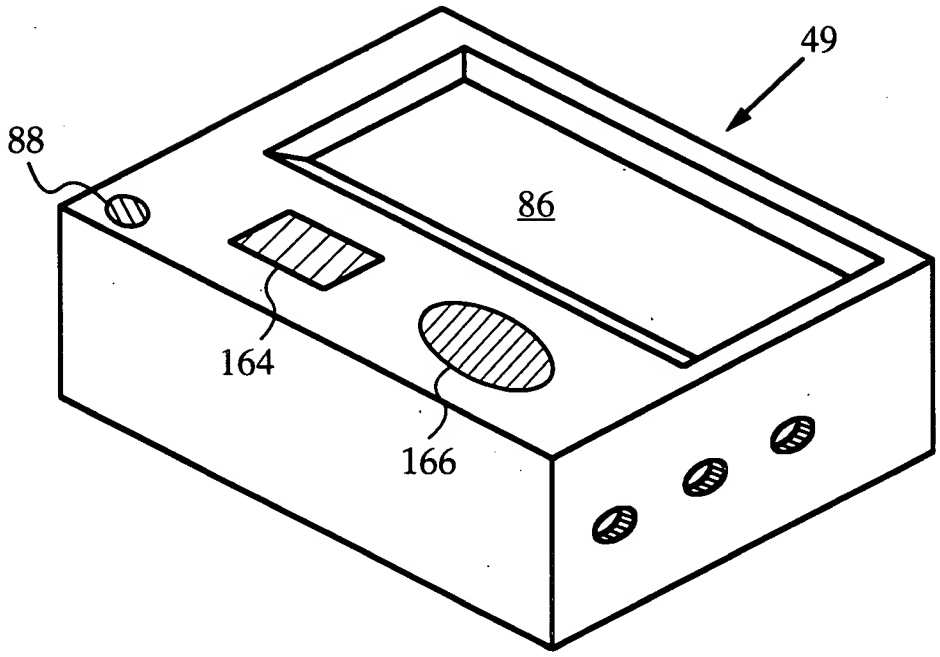

FIG. 16

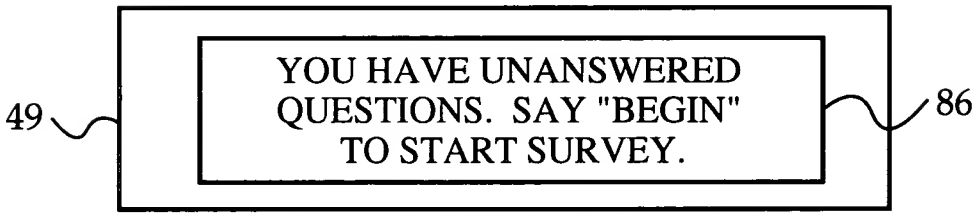

FIG. 17

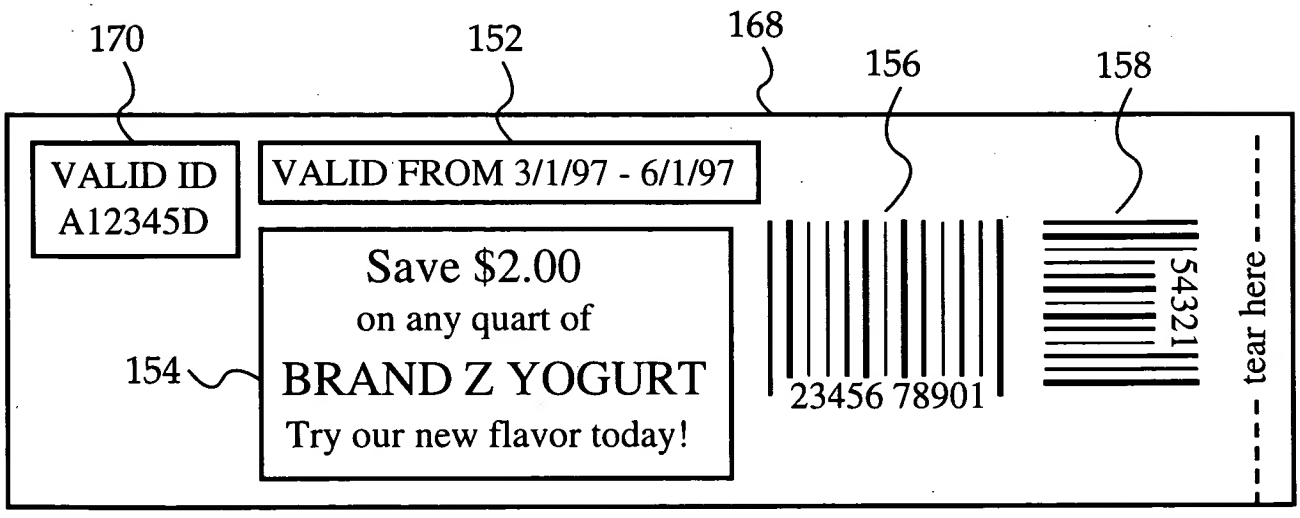

FIG. 18

08052698 - 11/25/97

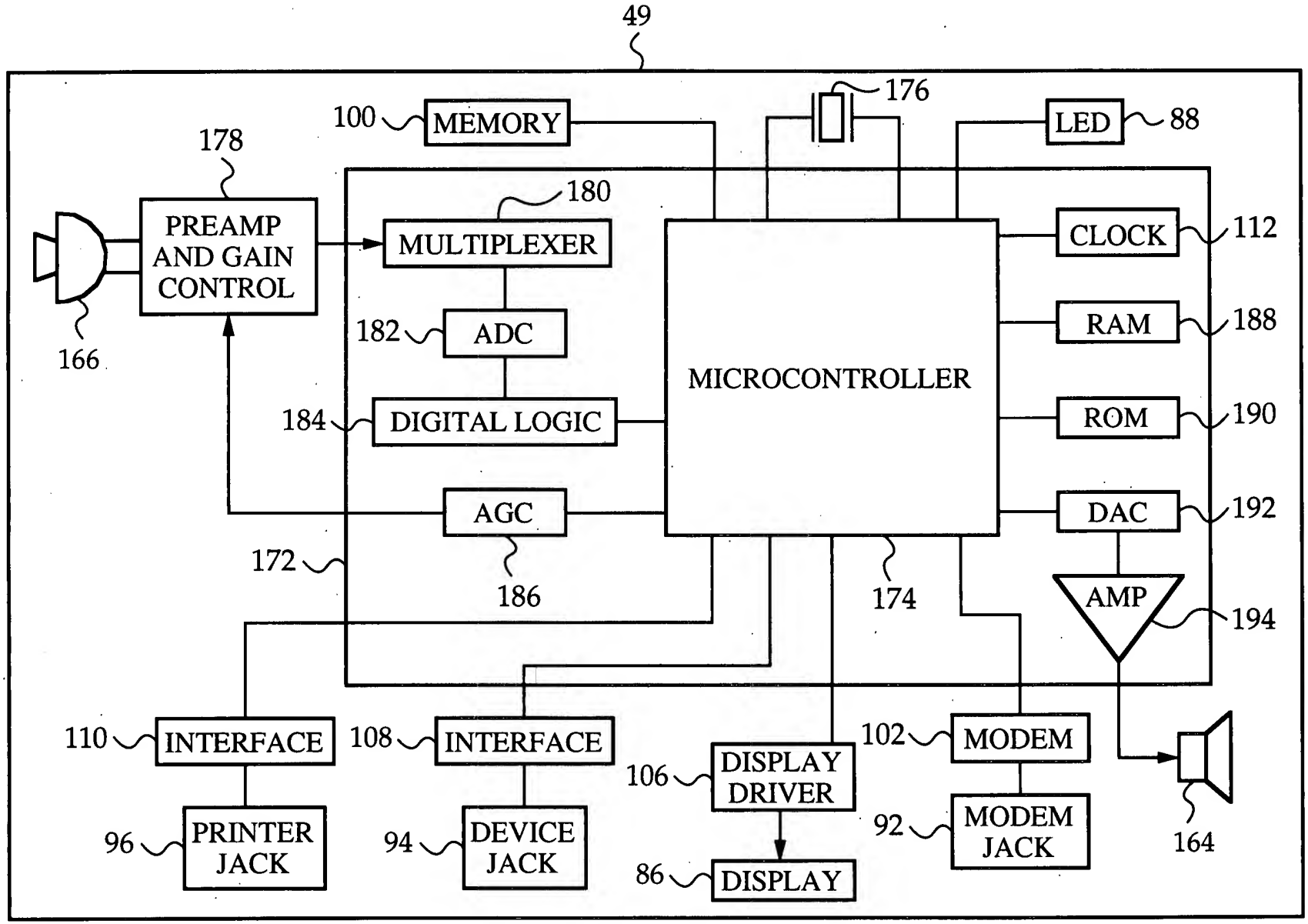
49
100
MEMORY
176
LED
88
178
PREAMP AND GAIN CONTROL
180
MULTIPLEXER
CLOCK
112
166
182
ADC
RAM
188
MICROCONTROLLER
184
DIGITAL LOGIC
ROM
190
AGC
DAC
192
172
186
174
AMP
194
110
INTERFACE
108
INTERFACE
106
DISPLAY DRIVER
102
MODEM
96
PRINTER JACK
94
DEVICE JACK
92
MODEM JACK
164
86
DISPLAY

FIG. 19

C.G. FIG. 1
705 14

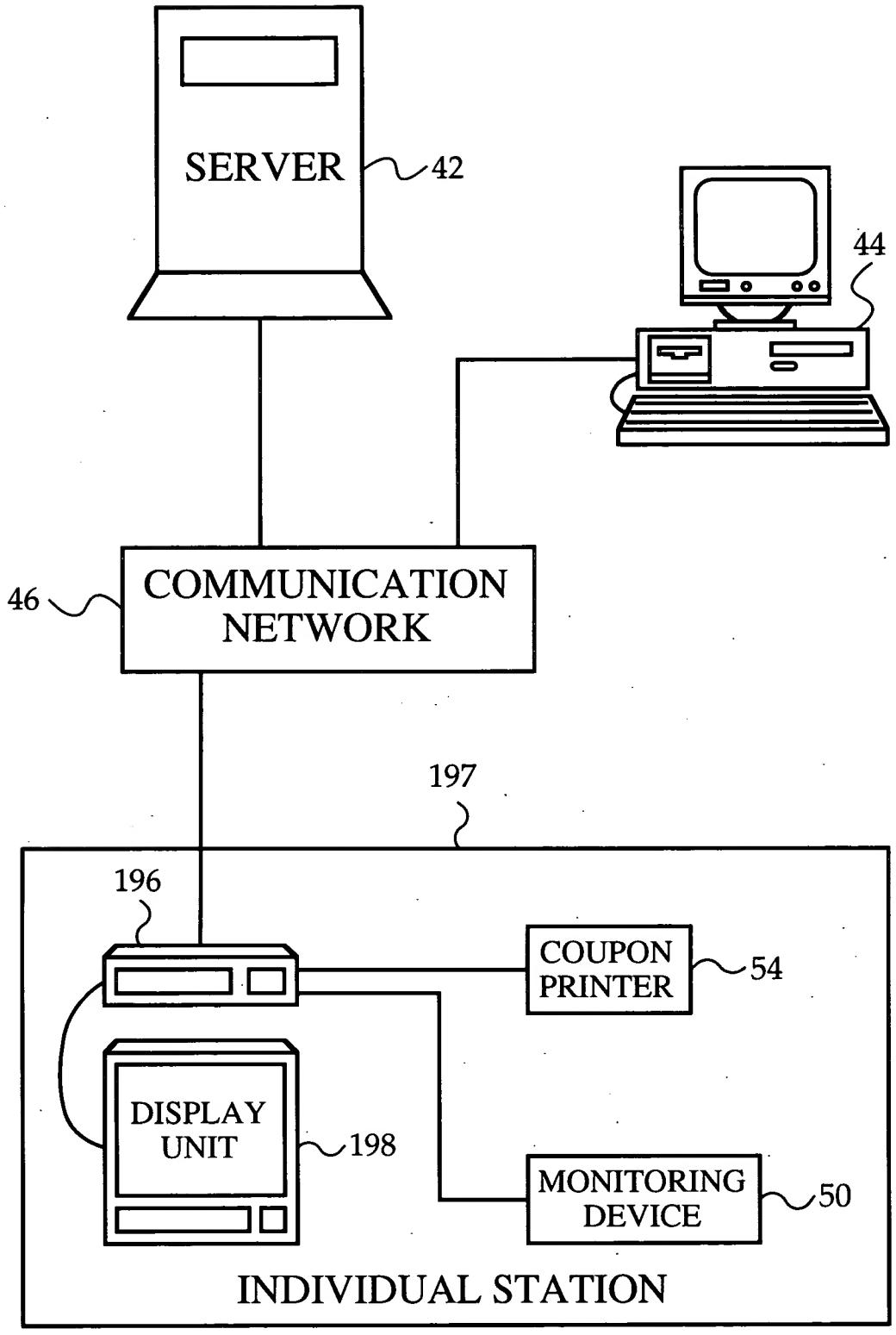

FIG. 20

09/754,938

705 14

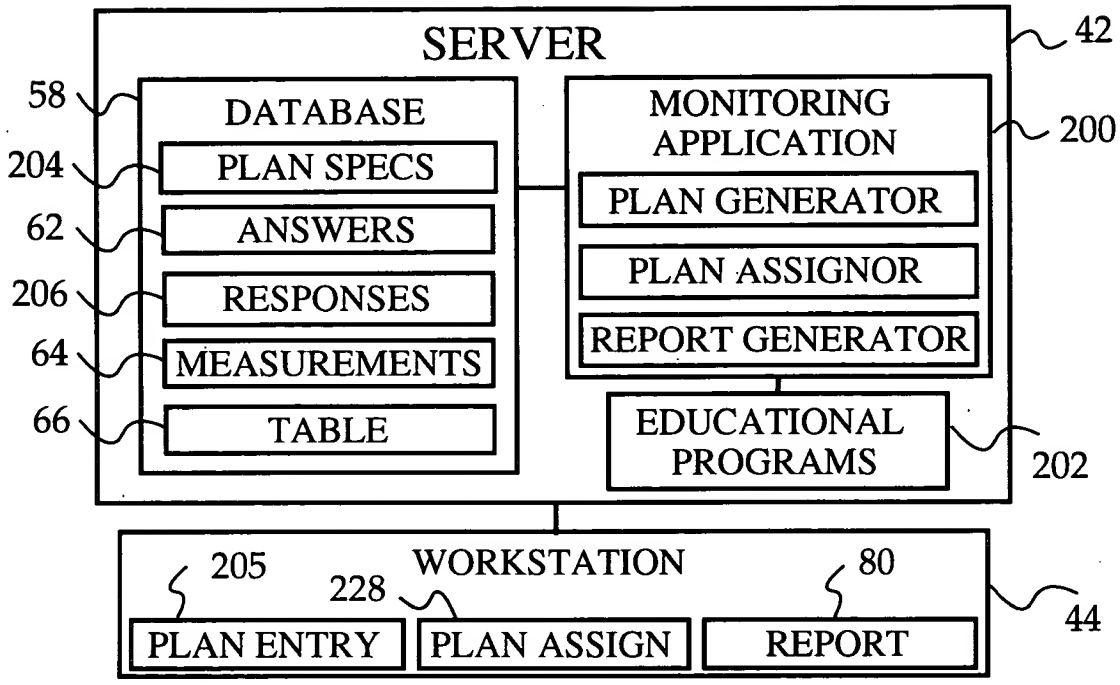

FIG. 21

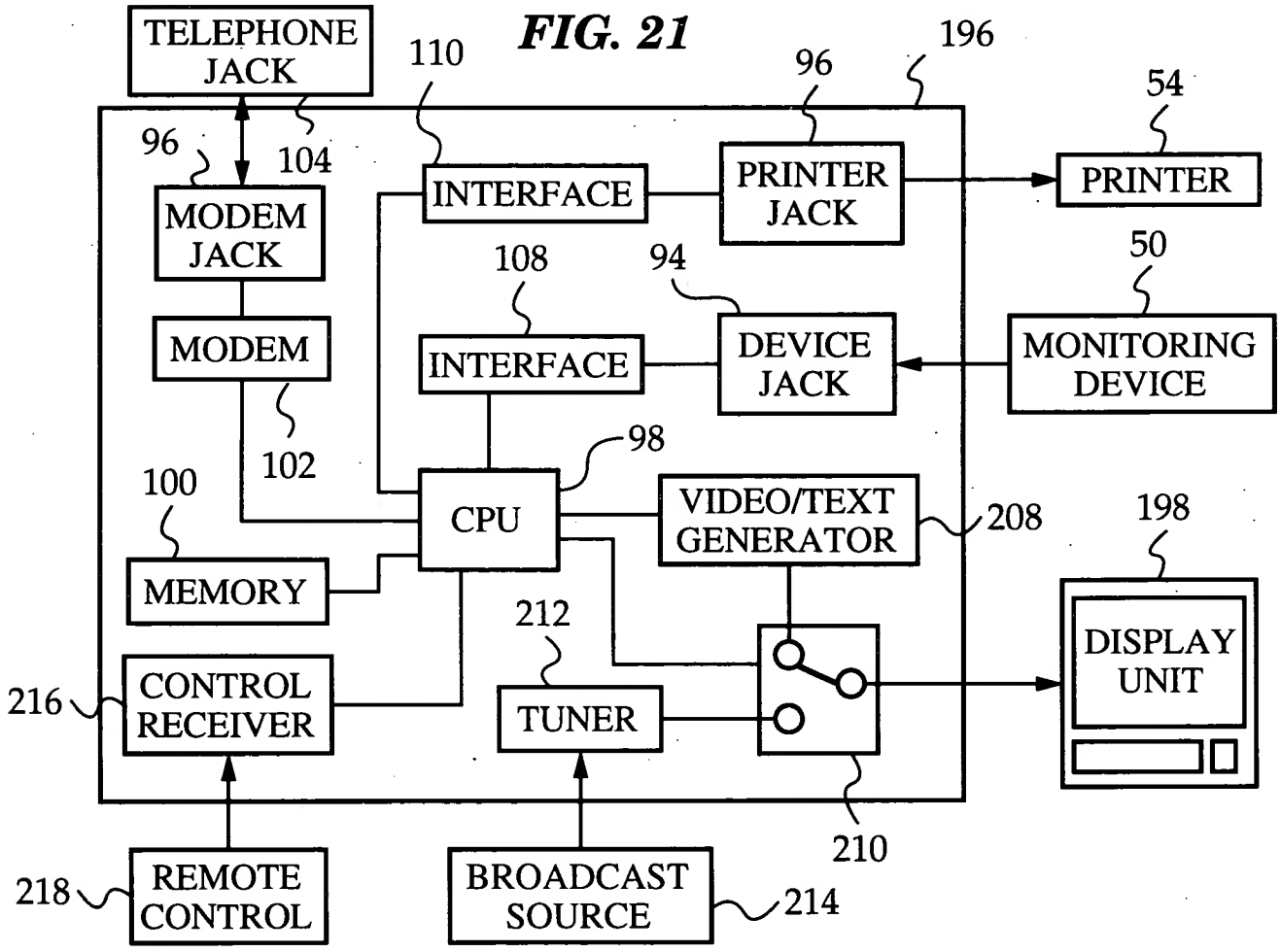

FIG. 22

C.E. FIG. 1
CLASS/SUBCLASS
705 14

205

PLAN SPECIFICATION SCREEN

PLAN NAME: DIABETES PLAN 2 ~116

COMPLIANCE QUESTIONS

118 ~ QUESTION 1
QUESTION 2
QUESTION 3
QUESTION 4
QUESTION 5

MONITORING DEVICE TYPE

124 ~ [X] GLUCOSE MONITOR
[ ] BP CUFF
[ ] PEAK FLOW METER
[ ] WEIGHT SCALE

SELECT EDUCATIONAL PROGRAM

222 ~ [X] TRAVELING WITH DIABETES
[ ] TREATING YOUR ASTHMA
[ ] SUCCESS IN WEIGHT LOSS

SELECT EVALUATION CRITERIA

126 ~ [X] MINIMUM MEASUREMENT VALUE — 60 MG/DL ~128
[X] MAXIMUM MEASUREMENT VALUE — 320 MG/DL
[X] NUMBER OF MEASUREMENTS — 14
[X] MINIMUM QUESTION SCORE — COMPLETED
[X] MINIMUM PROGRAM SCORE — COMPLETED

SELECT COUPON TYPE

130 ~ [X] SUGAR-FREE FROZEN YOGURT
[ ] SUGAR-FREE FRUIT BAR
[ ] SUGAR-FREE POPSICLE

OK ~224

MONITORING INTERVAL: 7 DAYS ▽ ~134

CANCEL ~226

FIG. 23

09/504,363 - 02/15/2000

FIG. 1
705 14

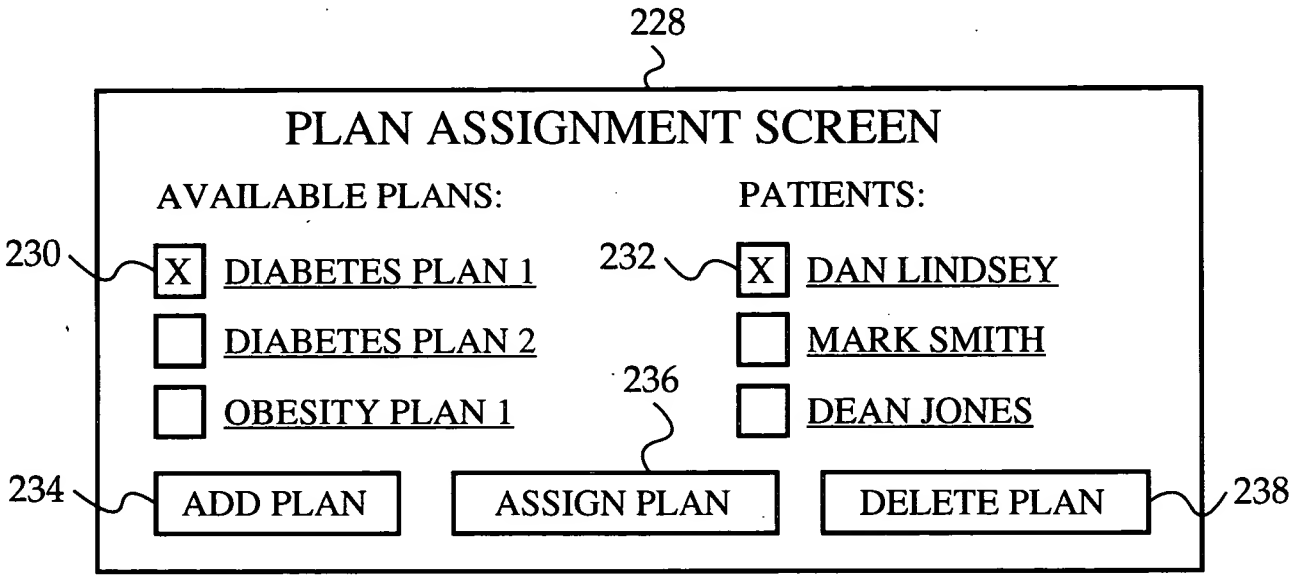

FIG. 24

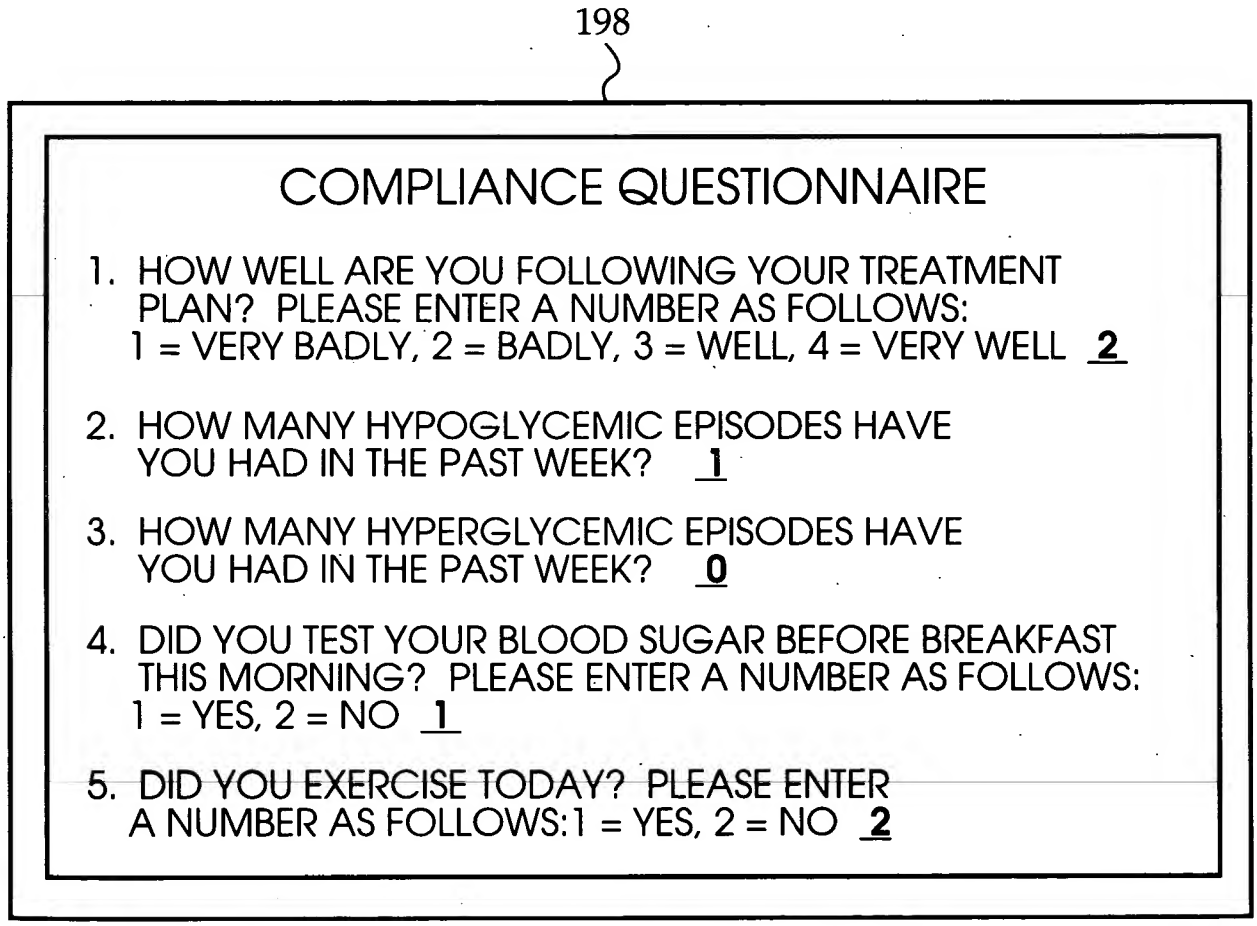

FIG. 25

U.S. PTO
705 14

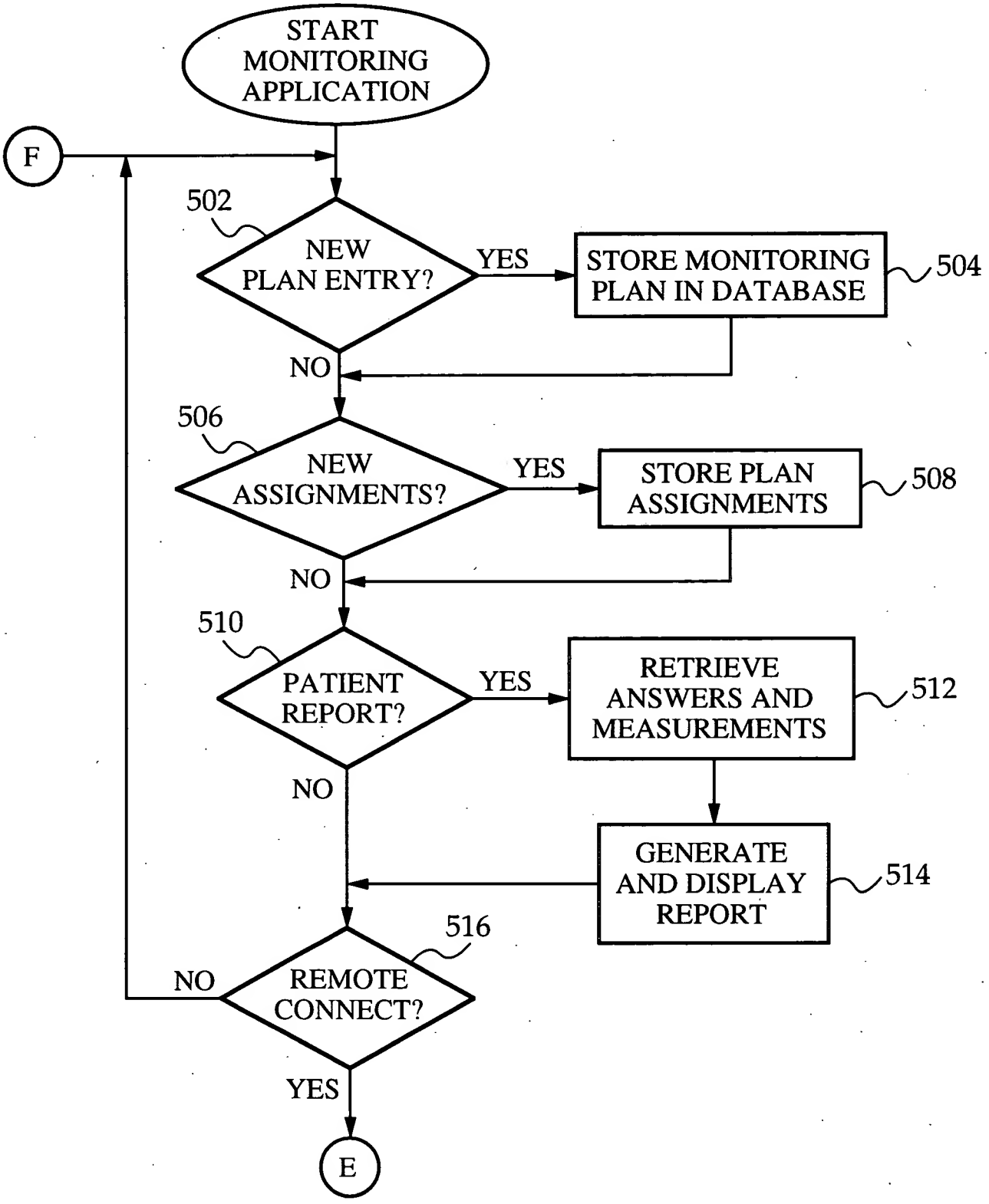

FIG. 26A

09/754,938 - 01/05/2001

705 14

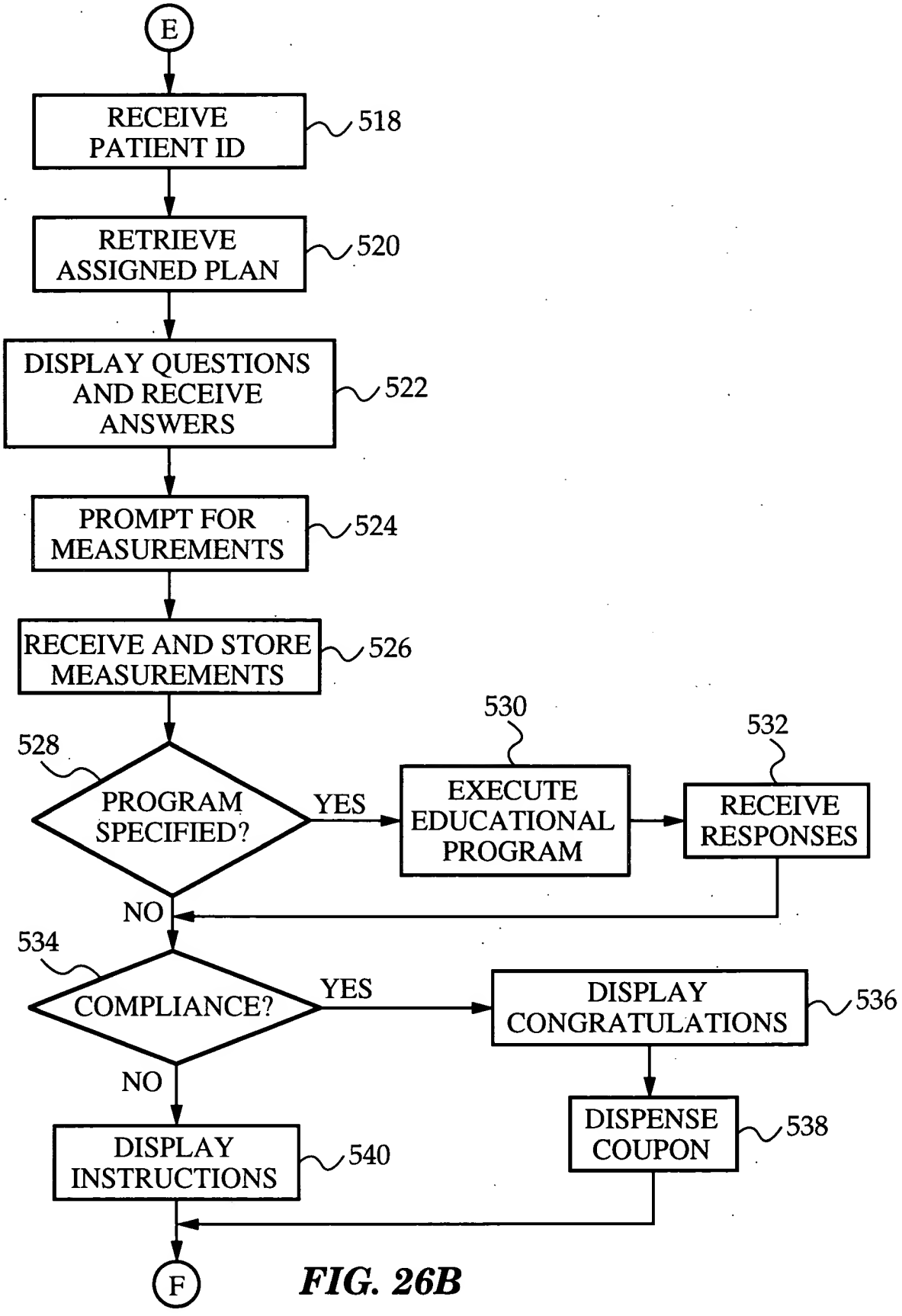

FIG. 26B

U.S. PTO 1
705 14

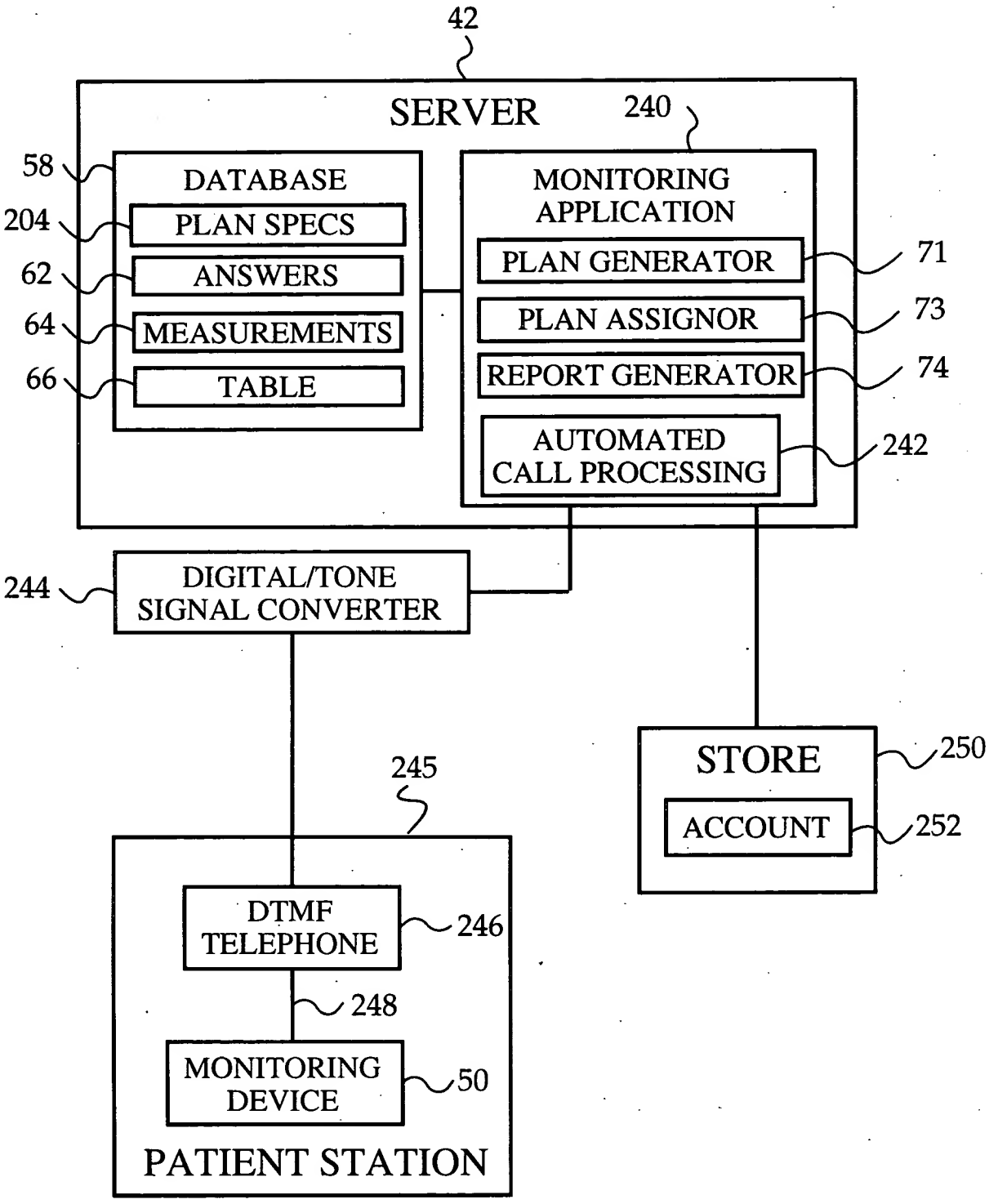

FIG. 27

09/955,748

FIG. 1
705 14

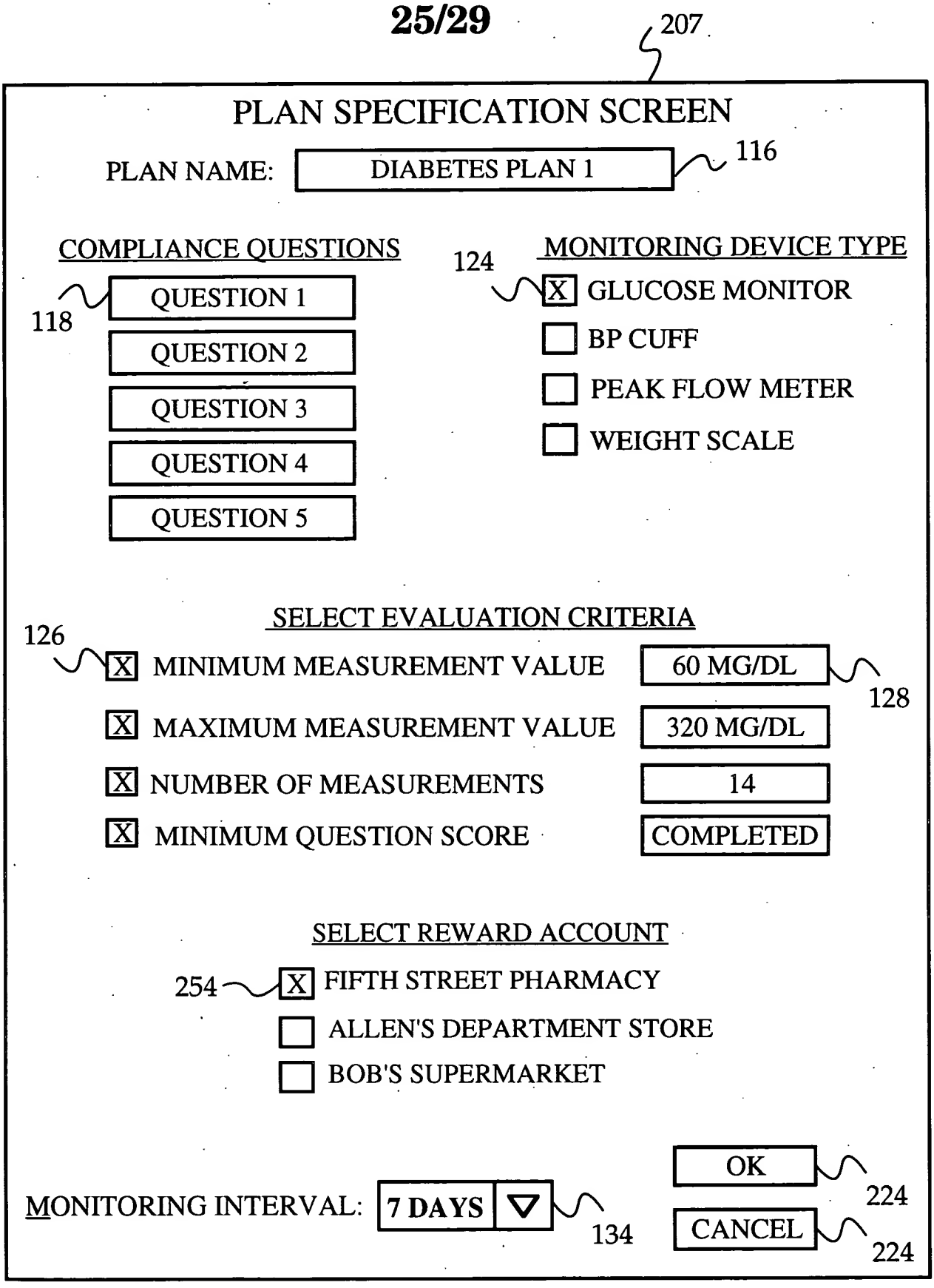

FIG. 28

09/545,289

D.O. FIG. 1
CLASS
705 14

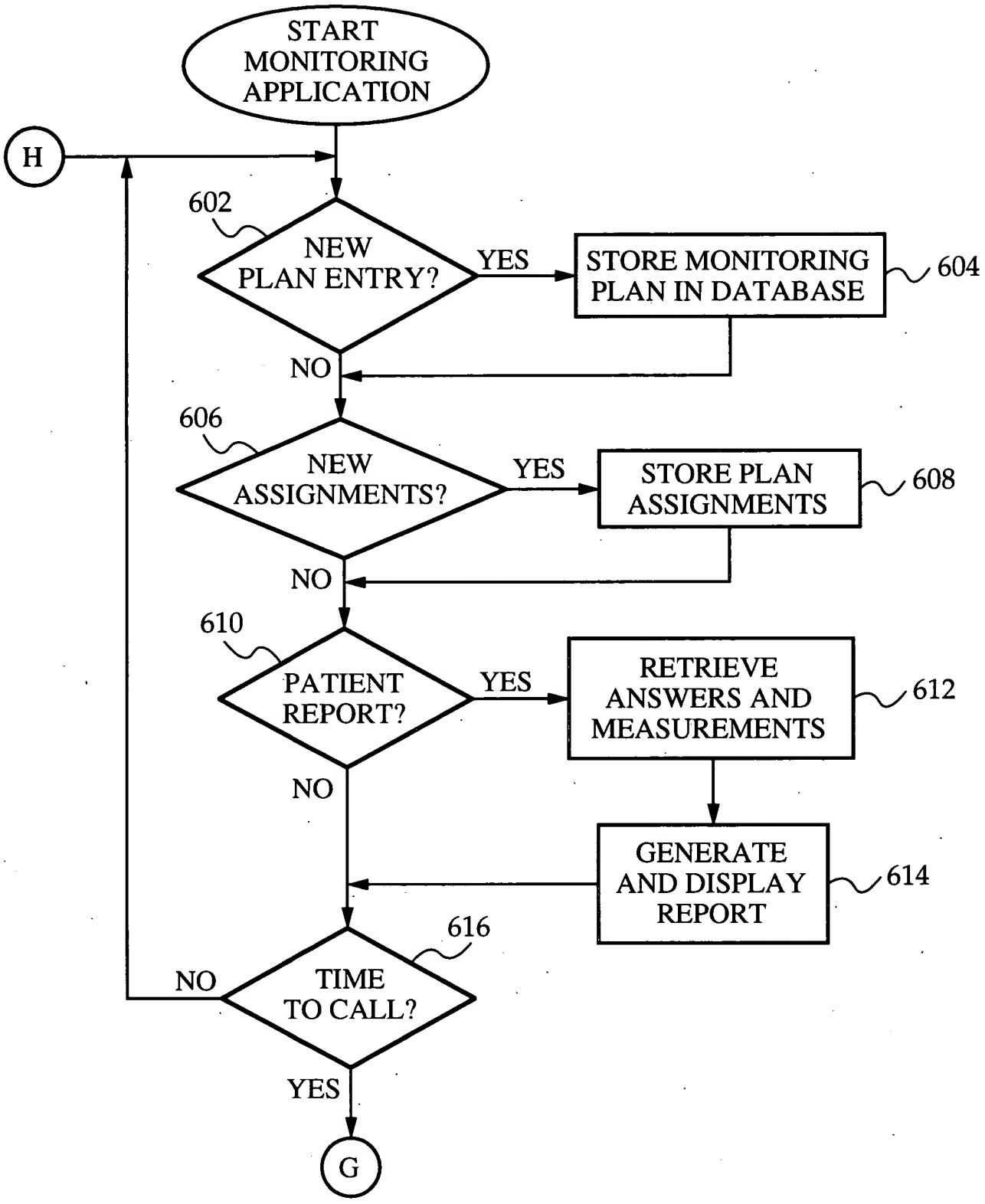

FIG. 29A

FIG. 1
705 14

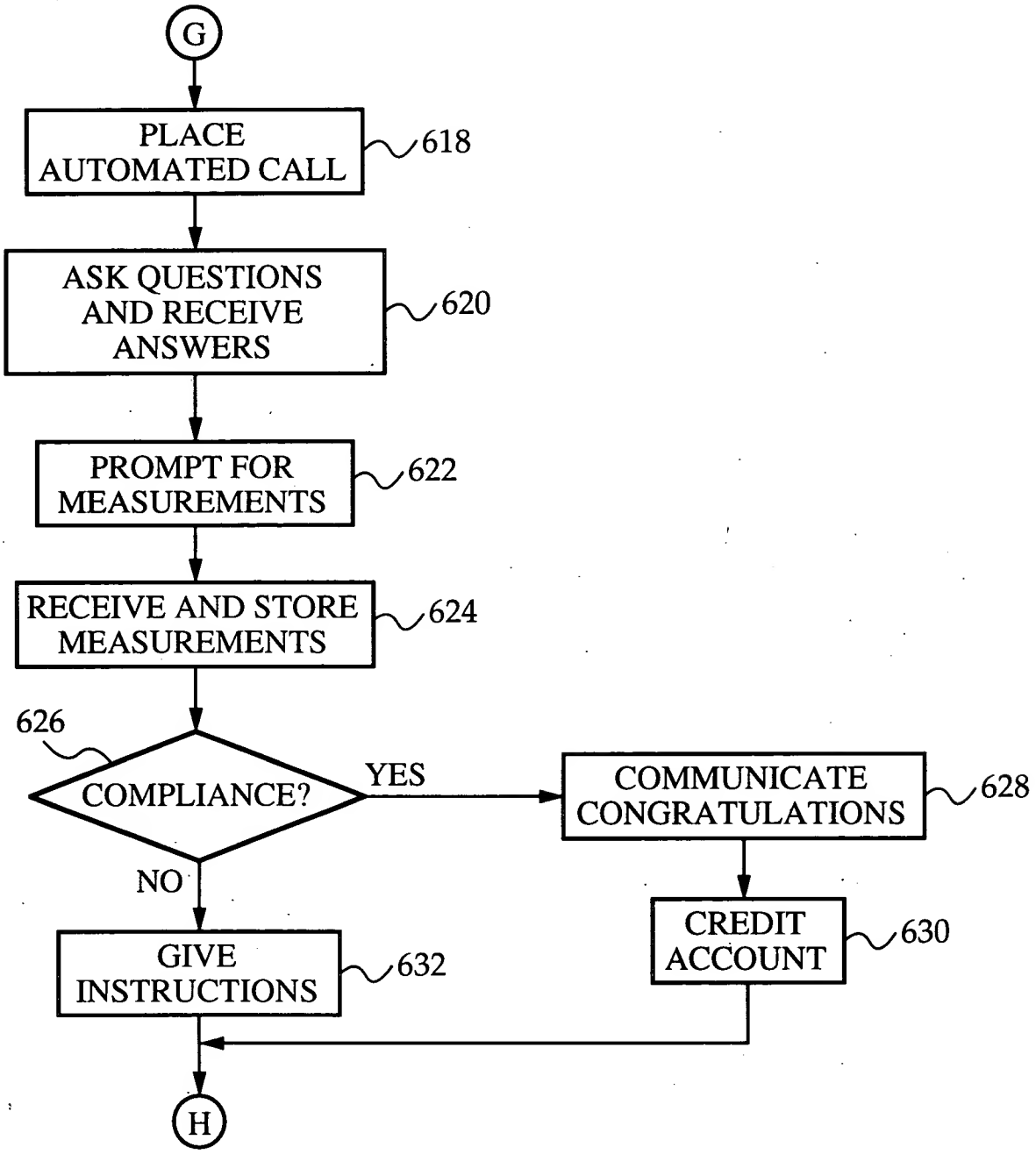

FIG. 29B

U.S. FIG. 1
705 14

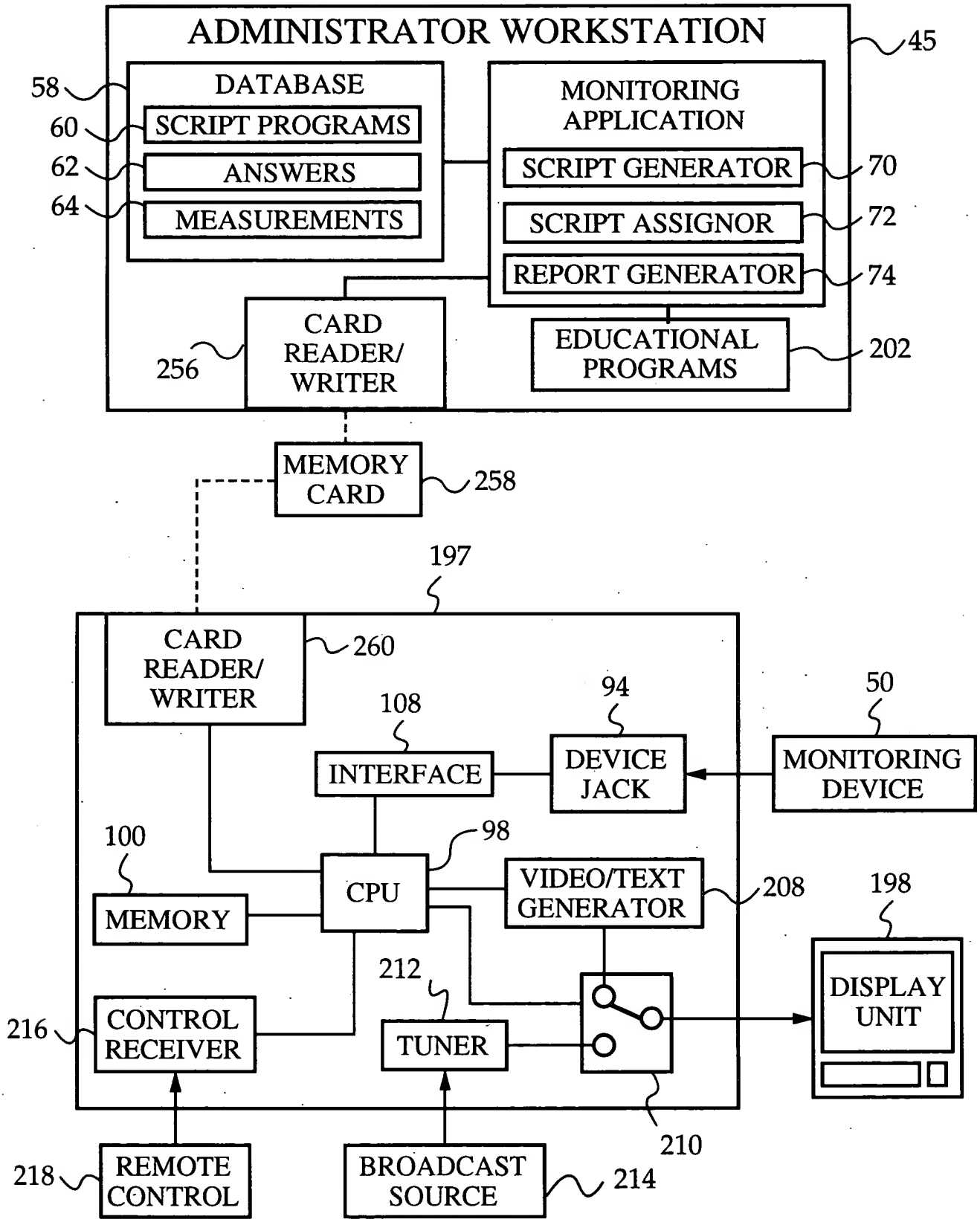

FIG. 30

705 14

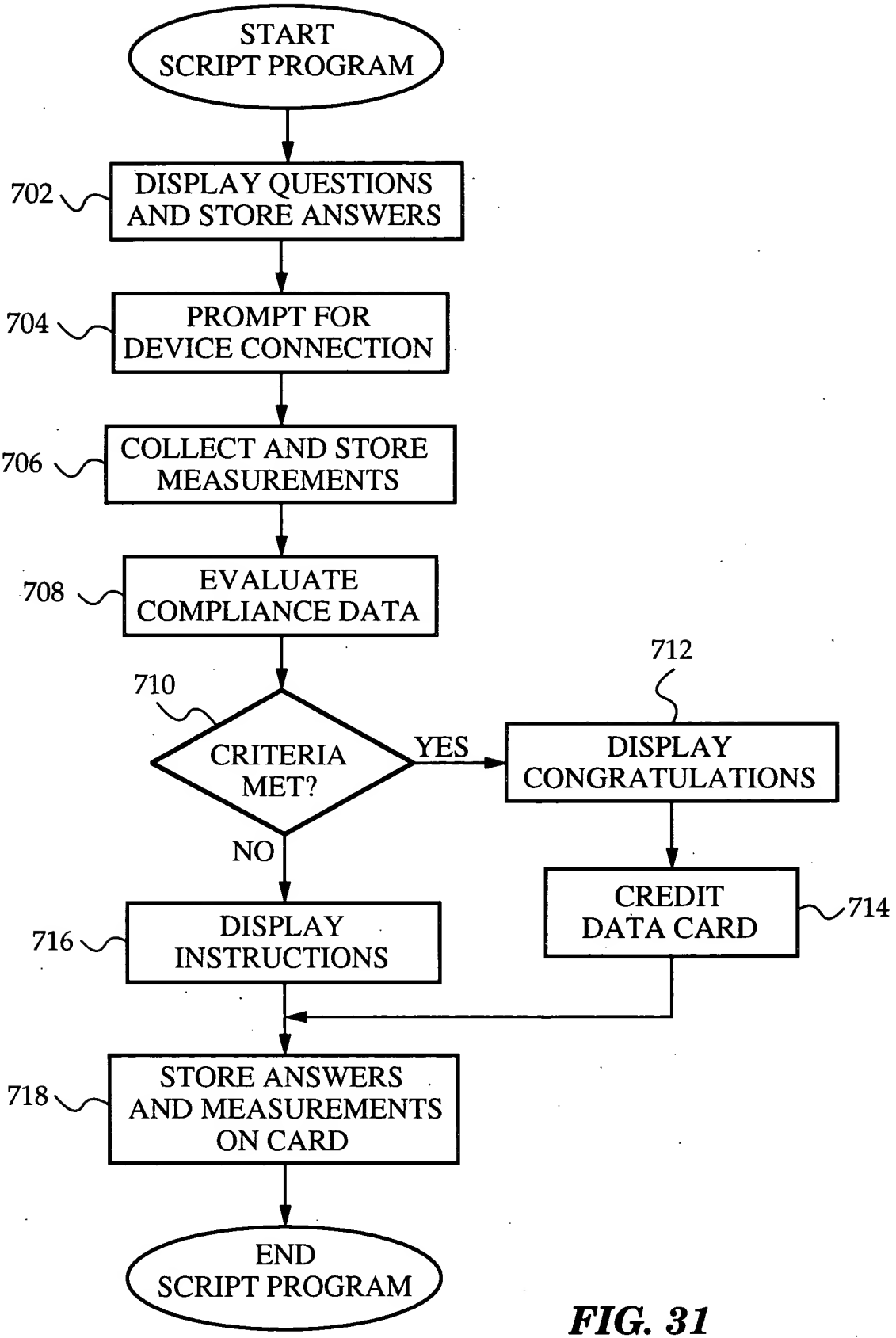
START SCRIPT PROGRAM
702
DISPLAY QUESTIONS AND STORE ANSWERS
704
PROMPT FOR DEVICE CONNECTION
706
COLLECT AND STORE MEASUREMENTS
708
EVALUATE COMPLIANCE DATA
710
CRITERIA MET?
YES
712
DISPLAY CONGRATULATIONS
CREDIT DATA CARD
714
NO
716
DISPLAY INSTRUCTIONS
718
STORE ANSWERS AND MEASUREMENTS ON CARD
END SCRIPT PROGRAM

FIG. 31